

UNIVERSITY OF CALIFORNIA

DEPARTMENT OF ZOOLOGY  
BERKELEY 4, CALIFORNIA

April 25, 53

Dear Dr. Lederberg:

I read recently your penetrating analysis of cytoplasmic heredity. As usual among weak humans, I liked best the parts where my own thinking led me in similar directions. I was specially pleased that you, as probably the only U.S. geneticist, are aware of the great theoretical importance of my friend and former student Buchner's work on symbionts, generally unknown also among zoologists. Thus you will be interested to hear that his new and I think very good book is in press and will be published any day. Buchner wrote me recently an amazing fact he is studying now. He has a coccidian (supposed to be male heterogametic) in which half of the eggs receive symbionts (before fertilization!) and half not. The former develop into ♀♀ and the latter into ♂♂ and the ♂♂ females and the latter into males and the males

have a rudimentary mouth and cannot eat  
eat. I wonder how the details will come  
out!  
out!

Best regards

Yours sincerely

R. Goldfarb

My regards to Huxley!

cc: Huxley  
5/7/53